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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete If Known			
		Application Number	10/806,958		
		Filing Date	March 23, 2004		
		First Named Inventor	Choi et al.		
		Group Art Unit	2834		
		Examiner Name	Dougherty, Thomas M.		
Sheet	2	of	2	Attorney Docket Number	PA128-04D09

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
TMD	C4	United States Patent Application No. 09/698,317 to Choi et al., "High-Precision Orientation Alignment and Gap Control Stages for Imprint Lithography Processes." Filed October 27, 2000.	
TMD	C5	United States Patent Application No. 10/617,321 to Choi et al., "Method of Separating a Template from a Substrate During Imprint Lithography." Filed July 10, 2003.	
TMD	C6	United States Patent Application No. 10/785,248 to Choi et al., "Method to Control the Relative Position Between a Body and a Substrate." Filed February 24, 2004.	

Examiner Signature	Thomas M. Dougherty	Date Considered	2-15-05
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DISCLOSURE

Sheet 1 of 2

Application Number	10/806,956
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First Named Inventor	Choi et al.
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Substitute for form 1449B/PTD

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DISCLOSURE

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Sheet

2

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2

Complete if Known

Application Number

10/806.956

Filing Date

March 23, 2004

First Named Inventor

Choi et al.

Group Art Unit

2834

Examiner Name

Dougherty, Thomas M.

Attorney Docket Number

PA128-04D09

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

[illegible]

**Examiner
Signature**

Thomas M. Rushert

Date
Considered

2-15-05

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Substitute for form 1449A/PTO

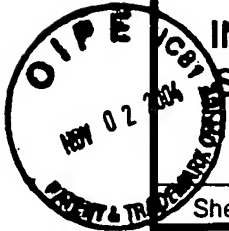
INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 8

Complete if Known

Application Number	10/806,956
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First Named Inventor	Choi et al.
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Examiner Name	Dougherty, Thomas M.
Attorney Docket Number	PA128-04D09



U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TMD	A1	4,070,116		Frosch et al.	01-24-1978	
	A2	4,600,309		Fay	07-15-1986	
	A3	4,848,911		Uchida et al.	07-18-1989	
	A4	5,074,667		Miyatake	12-24-1991	
	A5	5,148,036		Matsugu et al.	09-15-1992	
	A6	5,148,037		Suda et al.	09-15-1992	
	A7	5,151,754		Ishibashi et al.	09-29-1992	
	A8	5,179,863		Uchida et al.	01-19-1993	
	A9	5,376,810		Hoenk et al.	12-27-1994	
	A10	5,424,549		Feldman	06-13-1995	
	A11	5,670,415		Rust	09-23-1997	
	A12	5,743,998		Park	04-28-1998	
	A13	5,855,686		Rust	01-05-1999	
	A14	5,948,219		Rohner	09-07-1999	
	A15	6,035,805		Rust	03-14-2000	
TMD	A16	6,150,680		Eastman et al.	11-21-2000	
	A17	6,326,627	B1	Putvinski et al.	12-04-2001	
	A18	2002/0132482	A1	Chou	09-19-2002	
	A19	2002/0167117	A1	Chou	11-14-2002	
	A20	6,482,742	B1	Chou	11-19-2002	
	A21	6,534,418	B1	Plat et al.	03-18-2003	
	A22	6,541,360	B1	Plat et al.	04-01-2003	
	A23	2003/0081193	A1	White et al.	05-01-2003	
	A24	2003/0080471	A1	Chou	05-01-2003	
	A25	2004/0036201	A1	Chou et al.	02-26-2004	
	A26	5,468,542		Crouch	11-21-1995	
	A27	5,366,851		Novembre	11-22-1994	
	A28	5,362,606		Hartney et al.	11-08-1994	
	A29	5,324,683		Fitch et al.	06-28-1994	
	A30	5,212,147		Sheats	05-18-1993	
	A31	5,458,520		DeMercurio et al.	10-17-1995	
	A32	5,453,157		Jeng	09-26-1995	
	A33	5,439,766		Day et al.	08-08-1995	
	A34	5,431,777		Agstin et al.	07-11-1995	
Examiner Signature	Thomas M. Dougherty				Date Considered	2-15-05

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Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/806,956
		Filing Date	March 23, 2004
		First Named Inventor	Choi et al.
		Group Art Unit	2834
		Examiner Name	Dougherty, Thomas M.
Sheet 2 of 8	Attorney Docket Number	PA128-04D09	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
tm0	A35	5,422,295		Choi et al.	06-06-1995	
	A36	5,421,981		Leader et al.	06-06-1995	
	A37	5,417,802		Obeng	05-23-1995	
	A38	5,380,474		Rye et al.	01-10-1995	
	A39	5,374,454		Bickford et al.	12-20-1994	
	A40	5,330,881		Sidman et al.	07-19-1994	
	A41	5,328,810		Lowrey et al.	07-12-1994	
	A42	5,318,870		Hartney	06-07-1994	
	A43	5,244,818		Jokerst et al.	09-14-1993	
	A44	5,242,711		DeNatale et al.	09-07-1993	
	A45	5,240,878		Fitzsimmons et al.	08-31-1993	
	A46	5,108,875		Thackeray et al.	04-28-1992	
	A47	5,053,318		Gulla et al.	10-01-1991	
	A48	4,964,945		Calhoun	10-23-1990	
	A49	4,908,298		Hefferon et al.	03-13-1990	
	A50	4,921,778		Thackeray et al.	05-01-1990	
	A51	4,919,748		Bredbenner et al.	04-24-1990	
	A52	3,783,520		King	01-08-1974	
	A53	6,776,094	B1	Whitesides et al.	08-17-2004	
	A54	4,201,600		Alcorn et al.	05-06-1980	
	A55	4,426,247		Tamamura et al.	01-17-1984	
	A56	4,507,331		Hiraoka	03-26-1985	
	A57	4,552,833		Ito et al.	11-12-1985	
	A58	4,657,845		Frechet et al.	04-14-1987	
	A59	4,692,205		Sachdev et al.	09-08-1987	
	A60	4,707,218		Giammarco et al.	11-17-1987	
	A61	4,737,425		Lin et al.	04-12-1988	
	A62	4,808,511		Holmes	02-28-1989	
	A63	4,826,943		Ito et al.	05-02-1989	
	A64	4,857,477		Kanamori	08-15-1989	
	A65	4,891,303		Garza et al.	01-02-1990	
	A66	4,931,351		McColgin et al.	06-05-1990	
tm0	A67	4,976,818		Hashimoto et al.	12-11-1990	
	A68	4,980,316		Huebner	12-25-1990	
Examiner Signature	Thomas M. Dougherty				Date Considered	2-15-05

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				Application Number	10/806,956	
Sheet		3	of	8	Examiner Name	Dougherty, Thomas M.
					Attorney Docket Number	PA128-04D09

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
TMD	A69	4,999,280		Hiraoka	03-12-1991	
	A70	5,071,694		Uekita et al.	12-10-1991	
	A71	5,169,494		Hashimoto et al.	12-08-1992	
	A72	5,173,393		Sezi et al.	12-22-1992	
	A73	5,198,326		Hashimoto et al.	03-30-1993	
	A74	5,234,793		Sebald et al.	08-10-1993	
	A75	5,314,772		Kozicki et al.	05-24-1994	
	A76	5,527,662		Hashimoto et al.	06-18-1996	
	A77	5,654,238		Cronin et al.	08-05-1997	
	A78	5,700,626		Lee et al.	12-23-1997	
	A79	5,736,424		Prybyla et al.	04-07-1998	
	A80	5,895,263		Carter et al.	04-20-1999	
	A81	5,907,782		Wu	05-25-1999	
	A82	5,926,690		Toprac et al.	07-20-1999	
	A83	5,948,570		Komblit et al.	09-07-1999	
	A84	6,033,977		Gutsche et al.	03-07-2000	
	A85	6,096,655		Lee et al.	08-01-2000	
	A86	6,150,231		Muller et al.	11-21-2000	
	A87	6,245,581	B1	Bonser et al.	06-12-2001	
	A88	6,274,294	B1	Hines	08-14-2001	
	A89	6,329,256	B1	Ibok	12-11-2001	
	A90	6,383,928	B1	Eissa	05-07-2002	
	A91	6,387,783	B1	Furukawa et al.	05-14-2002	
	A92	6,388,253	B1	Su	05-14-2002	
	A93	6,391,798	B1	DeFelice et al.	05-21-2002	
	A94	6,455,411	B1	Jiang et al.	09-24-2002	
	A95	6,489,068	B1	Kye	12-03-2002	
	A96	6,514,672	B2	Young et al.	02-04-2003	
	A97	6,561,706	B2	Singh et al.	05-13-2003	
	A98	6,565,928	B2	Sakamoto et al.	05-20-2003	
	A99	2003/011368	A1	Mancini et al.	06-19-2003	
	A100	2003/0129542	A1	Shih et al.	07-10-2003	
TMD	A101	6,632,742	B2	Yang et al.	10-14-2003	
	A102	6,635,581	B2	Wong	10-21-2003	
Examiner Signature	Thomas M. Dougherty			Date Considered	2-15-05	

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				Sheet	4

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Sheet.	5	of	8		

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Examiner Signature	<i>Thomas M. Ruch</i>	Date Considered	2-15-05
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Substitute for form 1449B/PTO <h2 style="text-align: center; margin: 10px 0;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center; margin-top: 10px;">(use as many sheets as necessary)</p>		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center; padding: 2px;">Complete if Known</th> </tr> <tr> <td style="width: 50%; padding: 2px;">Application Number</td> <td style="padding: 2px;">10/806,956</td> </tr> <tr> <td style="padding: 2px;">Filing Date</td> <td style="padding: 2px;">March 23, 2004</td> </tr> <tr> <td style="padding: 2px;">First Named Inventor</td> <td style="padding: 2px;">Choi et al.</td> </tr> <tr> <td style="padding: 2px;">Group Art Unit</td> <td style="padding: 2px;">2834</td> </tr> <tr> <td style="padding: 2px;">Examiner Name</td> <td style="padding: 2px;">Dougherty, Thomas M.</td> </tr> <tr> <td style="padding: 2px;">Attorney Docket Number</td> <td style="padding: 2px;">PA128-04D09</td> </tr> </table>		Complete if Known		Application Number	10/806,956	Filing Date	March 23, 2004	First Named Inventor	Choi et al.	Group Art Unit	2834	Examiner Name	Dougherty, Thomas M.	Attorney Docket Number	PA128-04D09
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Sheet	6	of	8														

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
DM2	A122	Abstract of Japanese Patent 63-138730	
	A123	Abstract of Japanese Patent 55-88332	
	A124	Abstract of Japanese Patent 57-7931	
	A125	Abstract of Japanese Patent 02-92603.	
	A126	Translation of Japanese Patent 02-92603.	
	A127	Abstract of Japanese Patent 02-24848.	
	A128	Translation of Japanese Patent 02-24848.	
JMB	A129	HEIDARI et al., "Nanoimprint Lithography at the 6 in. Wafer Scale," Journal of Vacuum Science Technology, Nov/Dec 2000, pp. 3557-3560, vol. B, no. 18(6)/	
	A130	NERAC.COM Retro Search, "Reduction of Dimension of Contact Holes", August 31, 2004	
JMB	A131	NERAC.COM Retro Search, "Trim Etching of Features Formed on an Organic Layer", September 2, 2004	
	A132	NERAC.COM Retro Search, "Multi-Layer Resists", September 2, 2004	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/806,956
				Filing Date	March 23, 2004
				First Named Inventor	Choi et al.
				Group Art Unit	2834
				Examiner Name	Dougherty, Thomas M.
Sheet	7	of	8	Attorney Docket Number	PA128-04D09

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
pmo	A133	HU et al., "Flourescence Probe Techniques (FPT) for Measuring the Relative Efficiencies of Free-Radical Photoinitiators", s0024-9297(97)01390-9; "Macromolecules" 1998, vol. 31, no.13, pp. 4107-4113, 1998 American Chemical Society. Published on Web 05/29/1998		
	A134	FEYNMAN, Richard P., "There's Plenty of Room at the Bottom—An Invitation to Enter a New Field of Physics," 12 pp [online]Retreived 9/23/04 from URL:http://www.zyvex.com/nanotech/feynman.html.		
	A135	CIBA SPECIALTY CHEMICALS BUSINESS LINE COATINGS, "What is UV Curing?", 45 pp [online]Retreived 9/24/04 from URL:http://www.cibasc.com/image.asp?id=4040.		
	A136	Communication Relating to the Results of the Partial International Search; International Appl. No. PCT/US2002/015551.		
	A137	Papirer et al., "The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography," August 1993, pp238-242, vol. 159, Issue 1.		
	A138	Abstract of Papirer et al., "The Grafting of Perfluorinated Silanes onto the Surface of Silica: Characterization by Inverse Gas Chromatography," August 1993, pp238-242, vol. 159, Issue 1.		
	A139	Hirai et al., "Mold Surface Treatment for Imprint Lithography," August 2001, pp 457-462, vol 14, No. 3.		
	A140	Abstract of Hirai et al., "Mold Surface Treatment for Imprint Lithography," August 2001, pp 457-462, vol 14, No. 3.		
	A141	Sung et al., "Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication," July 2003, pp. 808-818, vol. 255, no. 7.		
	A142	Abstract of Sung et al., "Micro/nano-tribological Characteristics of Self-Assembled Monolayer and its Application in Nano-Structure Fabrication," July 2003, pp. 808-818, vol. 255, no. 7.		
✓ tmb	A143	Roos et al., "Nanoimprint Lithography with a Commerical 4 Inch Bond System for Hot Embossing," October 2001, pp. 427-435, vol. 4343.		

Examiner Signature	<i>Thomas M. Dougherty</i>	Date Considered	2-15-05
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Examiner Signature	<i>Thomas M. Boucher</i>	Date Considered	2-15-05
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